**#22 SG1 (23 March 2022) Summary**

**Introduction**

FRAV secretary explained that the FRAV initial input on VMAD/FRAV collaboration (from User Workstream, SAE, CLEPA) being submitted for this meeting. It was agreed that the documents be introduced in AOB.

**Review of WP.29 guidelines (SG1-22-03)**

SG1 reviewed and discussed the remaining items and agreed as follows (the changes proposed/agreed during this session are highlighted in yellow):

* **Para.21 (JP):**

**Agreed Text:** *It is recommended that the scenarios-based validation methods include adequate coverage of relevant, critical, and complex scenarios to effectively validate an ADS. To note: “Coverage” refers to the degree to which ~~a~~ scenarios ~~catalogue~~ sufficiently incorporate~~s~~ real-world driving situations ~~that an ADS may reasonably be expected to encounter during real-world driving~~ in order to validate the relevant requirements made by FRAV ~~that the ADS can operate safely~~. Sufficient coverage is essential to ~~a catalogues’~~ the overall effectiveness and credibility as a validation approach.*

* **Para.27 (DE):**

**Agreed Text:** *In addition, it is recommended that the following ~~it should be noted that some researchers have established a~~ structured approach for categorizing and describing scenarios by different levels of abstraction according to three categories: functional, logical, and concrete scenarios ~~shall be~~ is used.*

* **Para.30（SG2/SAFE）：**

**Agreed Text:** *It is recommended that sampling techniques be used when ~~creating~~ selecting parameters to be used in creating logical and concrete scenarios for ADS validation for a particular ADS and its ODD to avoid the ADS being optimised for a set of known test cases. ……....It is assumed that for simulation/virtual testing the burden of random sampling is minimam, thus maximising the random sampling ~~this~~ approach is feasible.*

* **Annex 1 (SAFE)：**
* It was agreed to replace ‘AV’ with ‘ADS’
* Logical Scenario: it was agreed to delete the last sentence (*The logical scenario description covers all elements and technical requirements necessary to implement a system that solves these scenarios.*）The same sentence in **Para. 27 (b)** to be deleted as well.

**AOB:**

* **FRAV Feedback (FRAV/VMAD Collaboration):** SAE document (FRAV-25-08) and CLEPA document (FRAV-25-11) were presented as initial feedback from FRAV on FRAV/VMAD collaboration (scenario/requirements mapping). SG1 Leader stated that those proposals should be explained during the next VMAD session, and VMAD should discuss/decide how to treat/proceed on this matter.

**Next Meeting： 16 May 2022**